

Weather Information for Surface Transportation

Department of Energy
National Transportation Program

Transportation Activities

- ◆ DOE Strategic Goal - Environmental Quality
 - Disposal of Radioactive Waste
 - Safely Manage Nuclear Materials
 - Safely Manage Spent Fuel
- ◆ National Transportation Program
 - Ensure Safe and Compliant Transportation

Transportation Operational Contingencies

- ◆ Determinations of acceptable weather conditions
 - Carrier decision
 - Shipper and Carrier Decision
- ◆ Requirements to Support Decisions
 - Before Dispatch
 - In-route

Specific Weather Needs

- ◆ Severe Weather Conditions
 - Winter Storm/Heavy Snow
 - Thunderstorm Warning
 - Tornado Warning
- ◆ Adverse Road Conditions
 - Heavy Fog
 - High Wind
 - Flash Flood
 - Freezing Rain
 - Blowing & Drifting Snow

Operational Application Needs

- ◆ Risk Assessments

RADCALC

Air Stability Class

Wind Direction/Speed

Information Tied to Major
Transportation Routes

- ◆ In-Route Tracking

TRANSCOM

Overlay Severe Weather
Warnings

How Did We Get Here?

- ◆ Any relevant historical information
- ◆ Original assumptions that are no longer valid

Available Options

- ◆ State the alternative strategies
- ◆ List advantages & disadvantages of each
- ◆ State cost of each option

Recommendation

- ◆ Recommend one or more of the strategies
- ◆ Summarize the results if things go as proposed
- ◆ What to do next
- ◆ Identify Action Items